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U.S. ENVIRONMENTAL PROTECTION AGENCY

1987 Hazardous Waste Generation and Shipment Report

IDENTIFICATION AND CERTIFICATION

TADU98721517
MACKAY-IOWA ENVELOPES
FLACKSBARTH/TED PLANT MGR
HAYES INDUSTRIAL: PARK
MT PLEASANT

IA 52641

IC

FORM

WHO MUST COMPLETE THIS FORMS	Form IC must be completed by every site that received this package.
INSTRUCTIONS:	Please read the detailed instructions beginning on page 8 of the 1987 Hazardous Waste Generation and Shipment Report Instructions booklet before completing this form.
	Complete Sections I through IV and Sections VI through IX immediately. Complete Section V, certification, after you have finished the full report package.
	W. C. at a series of the control of
	differ from the mailing address. Complete items A through G. ne as label; if different, enter corrections. If label is absent, enter information.
A. Site/company names	B. EPA ID No.
Same as label	Same as label
or —	or → / \
	own, enter industrial park, building name or other physical location description
D. City, town, villagenet. E. County	F. State G. Zip Code
Down as label /	Same as label Same as label
$\mid \mid \mid \mid \mid \mid \mid \mid \mid \mid $	ENRY or — or —
SEC. Mailing address of site. Mark X for A, B, C, and D if same as label	RECEIVED
SEU.	RECEIVED
A. Number and street pame of mailing address Same as label	RECEIVED WAY 3.1 1988
A. Number and street name of mailing address Same as label	; if different, enter corrections.
A. Number and street pame of mailing address Same as label	RECEIVED WAY 3 1 1988
A. Number and street pame of mailing address Same as label or B. City, town, village, ac.	RECEIVED WAY 3 1 1988 C. State D. Zip Code
A. Number and street pame of mailing address Same as label Or B. City, town, village, oc. Same as label or or	RECEIVED WAY 3 1 1988 C. State D. Zip Code
A. Number and street pame of mailing address Same as label or B. City, town, village, cc. Same as label or SEC. III. Name, title, and telephone number of the page of the pa	RECEIVED I; if different, enter corrections. MAY 3 1 1988 IOWA SECTION C. State Same as label or —
A. Number and street pame of mailing address Same as label or B. City, town, village, cc. Same as label or SEC. III. Name, title, and telephone number of the page of the pa	RECEIVED I; if different, enter corrections. MAY 3 1 1988 C. State Same as label or

services rendered at the site's physical location. Enter more than one SIC Code only if no one industry description includes the combined activities of the site. SIC codes are listed beginning on page 1 of the 1987 Hazardous Waste Generation, Shipment and Management Report Codebook.

B. C. D. E. F.

SEC V. I certify under penalty of law that I have personally examined and am familiar with the information submitted in this and all attached documents, and that based on my inquiry of those individuals immediately responsible for obtaining the information, I believe that the submitted information is true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment.

A. Please print: Last name First name

M.I. Tit

FLACKSBARTH IEd

PLANT MANAGER

Date of signature

10.5 2.6 8.8

Page 1 of <u>9</u>

SEC. VI.	Does this site's EPA ID authorize hazardous waste generation?
	NO —→ SKIP TO SECTION VII.
X	YES —— Did this site generate any hazardous waste during 1987?
	YES —— READ DETAILED INSTRUCTION ON PAGE 9 OF THE 1987 HAZARDOUS WASTE GENERATION AND SHIPMENT REPORTING INSTRUCTIONS BOOKLET FOR ACUTE AND ACCUMULATION LIMITS. MARK [X] NEXT TO THE HAZARDOUS WASTE GENERATION QUANTITY CATEGORY THAT APPLIED TO THIS SITE DURING 1987.
	Category 1: More than 1000 kg (2,200 lb) in one or more months Category 2: More than 100 kg (220 lb) but no more than 1000 kg (2,200 lb) in any single month Category 3: No more than 100 kg (220 lb) in any single month
	Mark X if this site changed from Category 1 to Category 2 or 3 due to waste minimization activity conducted during 1986 or 1987.
	\square NO \longrightarrow CONTINUE BELOW, MARK \boxtimes NEXT TO ALL THAT APPLY.
1	Generated, excluded or delisted wastes Generated hazardous waste prior to 1987 but do not expect to generate in the future - MARK X FOR REASON IN ONE BOX BELOW
	 Waste was from one-time event(s) (e.g. spills, remedial actions, etc.) Waste minimization activity undertaken during 1986 or 1987 Out of business
	Generated hazardous waste prior to 1987 and expect to generate in the future Never generated before but expect to generate in the future
	Never generated and do not expect to generate in the future - MARK X FOR REASON IN ONE BOX BELOW
	 ☐ Protective notifier only ☐ Misunderstood the requirements
	Notified to secure transportation services
<u></u>	Other EXPLAIN REASON FOR GENERATOR NOTIFICATION IN COMMENTS
SEC. VII.	Does this site have RCRA Interim Status or a RCRA permit to treat, store, or dispose hazardous waste?
B	NO —— SKIP TO SECTION VIII
	YES —— Did the site treat, store, or dispose (T/S/D) hazardous waste in RCRA-regulated units during 1987?
	YES SKIP TO SECTION VIII
	NO —→ CONTINUE BELOW, MARK X NEXT TO ALL THAT APPLY
	T/S/D excluded waste during 1987
	 T/S/D hazardous waste in exempt units during 1987 T/S/D hazardous waste prior to 1987 but did not T/S/D waste during 1987. MARK XIN ONE BOX BELOW
	T/S/D will resume in the future
	Have notified of planned closure Site is in closure or post closure
	☐ Site is in closure or post closure ☐ Never T/S/D hazardous waste prior to 1987 but: MARK ☒ IN ONE BOX BELOW
	Expect to T/S/D hazardous waste in the future
	Do not expect to T/S/D hazardous waste in the future - EXPLAIN REASON FOR INTERIM STATUS OR PERMIT IN COMMENTS
SEC. VIII.	Do you wish to withdraw this site's generator notification or EPA Part A permit application?
VIII.	
	Methodo Daniel III de la companya de
	withdraw Part A permit application Yes No
SEC. IX.	Does this site have an area not requiring a RCRA Part A or Part B permit that is used exclusively for the short term accumulation of hazardous waste?
	M NO
	YES — DOES THE AREA HAVE:
	Containers No Yes ENTER THE NUMBER OF TANKS AND THEIR TOTAL CAPACITY IN GALLONS. Tanks No Yes
	Number Gallon capacity
Comm	nen'
	KCKY KECOKDS CENTER
	HOOTJSEOS

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U.S. ENVIRONMENTAL PROTECTION AGENCY

1987 Hazardous Waste Generation and Shipment Report

OFF-SITE IDENTIFICATION

FORM

WHO MUST COMP	LETE THIS FORM?	Form OI must be completed by every site that shipped hazardous waste off site and every site that received hazardous waste from off site during 1987.				
		Mark X if you are not required to complete Form Ol.				
	INSTRUCTIONS:	Please read the detailed instructions beginning on page 23 of the 1987 Hazardous Waste Generation and Shipment Report Instructions booklet before completing this form.				
		Complete A through E for each off-site installation to which you shipped waste or from which you received waste during 1987.				
		Complete A through D for every transporter you used during the reporting year.				
		Throughout this form enter "DK" if the information requested is not known or is not available; enter "NA" if the information requested is not applicable. Make and complete additional copies of this				
		form if you need to identify more than four off-site installations or transporters.				
Site A. EPA ID No. of off-site	installation or transporter	B. Name of off-site installation or transporter				
	9616677	Page 23 F1Winc				
C. Site type code Page 24	D. Site relationship code	E. Address of off-site installation				
rage 24	Page 24	Page 24 Street				
	סו					
Site A. EPA ID No. of off-site Instruction page 23	installation or transporter	B. Name of off-site installation or transporter Page 23				
C. Site type code	D. Site relationship code	E. Address of off-site installation				
Page 24	Page 24	Page 24				
		Street				
		City State Zip Code				
Site A. EPA ID No. of off-site Instruction page 23	installation or transporter	Name of off-site installation or transporter Page 23				
C. Site type code Page 24	D. Site relationship code Page 24	E. Address of off-site installation Page 24				
		Street				
		Zip City				
Site A. EPA ID No. of off-site	installation or transporter	B. Name of off-site installation or transporter				
4 Instruction page 23	installation or transporter	Page 23				
C. Site type code	D. Site relationship code	E. Address of off-site installation				
Page 24	Page 24	Page 24				
	1 1	Street				
L_J		City State Code				
Comments:						

BEFORE OR ENT	E COPYING FORM, ATTACH SITE IDENTIFICER:	CATION LABEL	THITEO STATES	U.S. ENVIRONMENTAL PROTECTION AGENCY					
SITE NA	Me Machay Laws	() Covelages		comition where Maste Compation					
			THE PROTECTION	1987 Hazardous Waste Generation and Shipment Report					
EPA ID N	NO. [[A] DIO1918171211	151/17	FORM WM	WASTE MINIMIZATION					
		<u> </u>	1 44 141	PART I					
WHO	MUST COMPLETE THIS FORM?	he completed by all gener	ators required to file and statutory provisions	implement waste minimization programs, must Annual/Biennial Report. This requirement was included in the Hazardous and Solid Waste					
	NOTE: Generators shipping hazardous waste off site are required to certify, on Item 16 of Uniform Hazardous Waste Manifest, that they have a program in place to reduce, to the dedetermined economically practicable, the volume and toxicity of hazardous waste generated similar certification must also be made by generators who have obtained a RCRA treatment storage, or disposal permit. Consistent with these certification requirements, generators report, on Form WM Part I, the efforts undertaken to implement waste minimization programs.								
	INSTRUCTIONS:	Please read the detailed in Shipment Report Instruction	nstructions on page 25 ns booklet before comp	of the 1987 Hazardous Waste Generation and leting this form.					
		Answer questions 1 throug	h 10. Throughout this fo	orm enter "DK" if the information requested is not ion requested is not applicable.					
		known or is not available, e	sitter IVA il tile illioimat	ion requested to not approach.					
1.	Did this site create or expand a s	ource reduction and rec	cycling program?						
		1987 Yes No	1986 Yes N	Prior Years o Yes No					
	Create	M \square							
	Expand								
2.	Did this site have a written policy recycling of hazardous waste?	or statement that outlin	ed goals, objectives	s and methods for source reduction and					
	recycling of hazardous waste.	1987	1986	Prior Years					
	Yes	<u> </u>		\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\					
	No	X	\aleph						
3.	What was the dollar amount of creduction and recycling of hazar	apital expenditures (plar dous waste? ENTER ZE	nt and equipment) a ERO (0) IF NONE.	and operating costs devoted to source					
		1987	1986	Prior Years					
	Capital expenditures	• 1. V	\$ 11 K	- * 10 K					
	Operating costs	₽ <u>Uf</u> [v	— • • • • • • • • • • • • • • • • • • •					
4.	Did this site have an employee to identify and implement source	e reduction and recycling	g opportunities and						
		1987 Yes No	1986 Yes N	Prior Years No Yes No					
	Training								
	Incentives								
<u> </u>				Page \$ of 9					

5.	Did this site	e conduct a source reduc nt or audit is a procedure	ction and/c	or recycling	opportunity as	ssessment	or audit? Note:	an oppo	ortunity
	hazardous	waste or the quantity wh	ich must sı	ubsequently	be treated, st	ored or dis	posed.	yeneram	OH OI
			198	87	198	J 6	Prior Ye	ars	
			Yes	No	Yes	No	Yes	No	
		Site-Wide				凶		X	
		Process-Specific							
6.	Did this site of hazardor	e identify or implement ne us waste generated at thi	w SOURC	E REDUCTION	ON opportunit	ties to redu	ice the volume a	and/or to:	xicity
			198	87	1986	16	Prior Yea	are	
			Yes	No No	Yes	· No	Yes	No	
		Identify						<u>[</u>	
		Implement							
		Шрешен				LJ			
7.	What factor	rs have delayed or prever AT APPLY.	nted implen	nentation of	SOURCE REI	DUCTION o	opportunities. M	//ARK 🗓	NEXT
	X a.	Insufficient capital to in practices.	stall new so	ource reduc	tion equipmer	nt or implen	nent new source	e reductio	on
	b.	Lack of technical inform processes.							
	c.	Source reduction is not will not recover the cap	oitai investm	nent.				production	on
	d.	Concern that product of	auality may	decline as ϵ	ı result of sour	rce reduction	on.		
	e.	Technical limitations of	the produc	ction proces	ses.				
	f.	Permitting burdens.							
	g.	Other (SPECIFY)							
8.	Did this site waste gener	identify or implement ne rated at this site or subse	w RECYCL equently tre	.ING opportuated, stored	unities to redu , or disposed	ce the volu of on site c	ıme and/or toxid or off site?	city of ha:	zardous
			100		4004	<u>.</u>			
			198 Yes	No No	1986 Yes	5 No	Prior Yea Yes	ars No	
		ldentify							
		•			₩		<u> </u>	<u> </u>	
		Implement	M		\angle				

EPA ID N	Ο.	II A	710191817121/151,	لتر						
9.	What factors have delayed or prevented implementation of on-site or off-site RECYCLING opportunities. MARK X NEXT TO ALL THAT APPLY.									
	X	a. Insufficient capital to install new recycling equipment or implement new recycling practices.								
		b.	 Lack of technical information on recycling techniques applicable to this site's specific production processes. 							
		C.	Recycling is not econ will not recover the o	nomically for a pital investigation in the community of t	easible: cost s stment.	savings in waste	management	or production		
		d.	Concern that produc	t quality m	ay decline as	a result of recycli	ng.			
		e.	Requirements to mai	nifest waste	es inhibit shipr	nents off site for	recycling.			
		f.	Financial liability pro	visions inhi	bit shipments	off site for recycl	ing.			
		g.	Technical limitations	of product	processes inl	nibit shipments o	ff site for recy	cling.		
		h.	Technical limitations	of product	ion processes	inhibit on-site re	cycling.			
1		i.	Permitting burdens i	nhibit recy	cling.					
		j.	Lack of permitted off	f-site recyc	ling facilities.					
	\boxtimes	k.	Unable to identify a r	market for I	recyclable mat	erials.				
		1.	Other (SPECIFY)							
10.			requested or receive actices from any of th	e following 19			ALL THAT AP	PLY. Prior`	Years	
			•	Technical	Financial	Technical	Financial	Technical	Financial	
	a.	Local g	overnment							
	b.	State g	overnment							
	C.	Federa	I government							
	d.	Trade a	associations							
	e.	Educat	ional institutions							
	f.	Supplie	ers					\square		
	g.	Other p	parts of your firm							
	h.	Other f	irms/consultants							
	i.	No req	uest made							
	j.	Other (etc.)_	conferences, literatur	е, 🗌						
С	omme	ents:	. ** **.							
		. = *								

Page <u>73</u>of 9

BEFORE COPYING FORM, ATTACH SITE IDENTIFICATION LABEL OR ENTER: SITE NAME Machay Howa Groeleges					ASOLECTION AND ASSOCIATION OF THE PROPERTY OF	l	U.S. ENVIRONN PROTECTION A	GENCY te Generation
EPA ID NO. ILA DO	1918 7 1 1				FORM WM		and Shipment WASTE MINIMI PART II	ZATION
WHO MUST COMPLETE T	HIS FORM?		Part II must			erators that e	engaged in an activit	
		Waste min (1) reduction; (2) reduction	imization mion in the vand/or,	neans: volume	and/or toxicity of	hazardous w	raste generated as aste subsequently t	·
1	X	Mark 🛚 an	d do not co	mplete	this form if <u>no</u> wast	e minimizatio	on results were achie	eved during 1987.
INSTI	RUCTIONS:	Please rea	ad the det n and Shipm	ailed ir nent Re	nstructions beginn port Instructions bo	ing on page oklet before	e 26 of the 1987 completing this form	Hazardous Waste 1.
		Make and	complete a	photoc	opy of this form for	each hazard	ous waste minimize	d in 1987.
		Complete known or i	Sections I to s not availa	hrough ble; ent	IV. Throughout this er "NA" if the inform	s form enter " nation reques	'DK" if the information ted is not applicable	on requested is not).
Sec. A. EPA hazardous waste code Instruction Page 27	B. State hazardou Page 27	s waste code	C. Product of Page 27	or service	description			D. Product or service SIC code Page 27
								السيا
E. Waste form code Page 27 F. UOM Page 28	G. Density Page 28		H. Source de Page 28	escription	:		100	I. Source code Page 28
	lbs/	9g						
Sec. A. 1986 quantity generated Instruction Page 29	B. 1987 quantit Page 29	y generated		C. Produ Page	oction ratio 29		D. Toxicity change code Page 31	
	J	1_1_1_1			لــا•لــا			
E. Waste minimization: recycling Page 31		7			ste minimization: source ge 32	reduction		
Code 1 2	Quantity recycled			1.	ode 2 3	з. 📙	Quantity prevented	
Sec. A. Narrative description of waste mi	Sec. A. Narrative description of waste minimization project or activity and results achieved							
III Instruction Page 39		•						
1								
	, ,							- 0 at 0

* * *

Sec. IV.			ions: Answer questions 1 through 4. Mark 区 next to the effects produced by the source reduction and/or recycling activity on this form in Sections I through III.
1.			did this site's source reduction and/or recycling activity have on the quantity of water effluent y hazardous waste generation processes during 1987?
		a.	Increase in the quantity of water effluent
		b.	Decrease in the quantity of water effluent
		C.	No effect on the quantity of water effluent
		d.	Don't know
2.			did this site's source reduction and/or recycling activity have on the toxicity of water effluent produced us waste generation processes during 1987?
		a.	Increase in the concentration of hazardous constituents
		b.	Decrease in the concentration of hazardous constituents
		C.	No effect on the concentration of hazardous constituents
		d.	Don't know
3.			did this site's source reduction and/or recycling activity have on the quantity of air emissions y hazardous waste generation processes during 1987?
		a.	Increase in the quantity of air emissions
		b.	Decrease in the quantity of air emissions
		C.	No effect on the quantity of air emissions
		đ.	Don't know
4.			did this site's source reduction and/or recycling activity have on the toxicity of the air emissions y hazardous waste generation processes during 1987?
		a.	Increase in the concentration of hazardous constituents
		b.	Decrease in the concentration of hazardous constituents
		C.	No effect on the concentration of hazardous constituents
		d.	Don't know
Co	omment	s:	

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U.S. ENVIRONMENTAL PROTECTION AGENCY

1987 Hazardous Waste Generation and Shipment Report

FORM GS

WASTE GENERATION AND SHIPMENT

		us		SHIPMENT
WHO MUST COMPLETE THIS FORM?	Form GS must be comp hazardous waste off site of		generated haz	ardous waste on site or shipped
	Mark ⊠if you are not requ	uired to complete Form G	is.	
INSTRUCTIONS:	Generation and Shipmen Make and complete a p shipped off site during 19	t Report Instructions book shotocopy of this form 1 87. uah IV. Throughout this 1	klet before com for <u>each</u> hazard form enter "DK"	dous waste generated on site or . if the information requested is not
Sec. A. Waste description Instruction Page 12	alcahola In	h m. China)-JP	mable Legand
B. EPA hazardous waste code Page 12	wang rest	C. State hazardous waste code Page 13		Montage 1, P
ألل اللهامالاً	للللا ل	<u> </u>		
D. SIC code Page 13 E. Source code Page 13	• LLO	F. Waste form code Page 13	<i>H₁≤₁┃</i> ₁	G. Waste minimization results Page 13
II	W LOW L	Page 16 High L1 L UOM L L uom K. Radio		F. Toxic Metals Page 16 Note Metal High Low Test
Sec. A. 1986 quantity hazardous waste generated Instruction Page 20	B. 1987 quantity hazardous waste Page 20	•	C. UOM Page 21	D. Density Page 21 LN A - LL Diss/gal Dsg
E. Quantity hazardous waste on site on January 1, 1987 Page 21		F. Quantity hazardous waste rem Page 21		ocember 31, 1987
Sec. IV A. EPA ID No. of facility to which waste was shipped Instruction Page 22	B. Number of shipments Page 22 Page 2	Page 22 2		tal quantity shipped age 22
1/11/10/019/13/21/19/01/13	اللا للاب	14131911	<u> </u>	1 1 12191812101
Comments: Facility used dis	delation prace	w to recover	ethyl	alcohal
			-	Page <u>3</u> of 9